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Allo INFORMATION DISCLOSURE	Application Number	10/696,051
AUS 0 6 2004 STATEMENT BY APPLICANT	Filing Date	10/28/2003
4 40K 3/	First Named Inventor	Su Chen
	Group Art Unit	1651
I TRADEMATISCO as many sheets as necessary)	Examiner Name	Unassigned
Sheet 1 of 3	Attorney Docket Number	034827-2601

U.S. PATENT DOCUMENTS							
		U.S. Patent D	ocument	•	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	

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/KM/	A1	CHEN and CARVEY, "Validation of Liquid-Liquid Extraction Followed by Flow-Injection Negative Ion Electrospray Mass Spectrometry Assay to Topiramate in Human Plasma," Rapid Commun Mass Spectrom, 15:159-163 (2001)	
/KM/	A2	CLAY and MURPHY, "New Procedure for Isolation of Amino Acids Based on Selective Hydrolysis of Trimethylsilyl Derivatives," Journal of Chromatography, 164: 417-426 (1979)	
/KM/	A3	GLEISPACH, et al., "Neuroblastoma Screening: Labeling of HVA and VMA for Stable Isotope Dilution Gas Chromatography-Mass Spectrometry," Supplement to Nutrition, 11: 604-606 (1995)	. <u>. </u>
/KM/	A4	HEALES and LEONARD, "Diagnosis of Medium Chain Acyl CoA Dehydrogenase Deficiency by Measurement of cis-4-Decenoic Acid in Dried Blood Spots," Clinica Chimica Acta, 209: 61-66 (1992)	
/KM/	A5	IKEGAWA et al., "Separation and Detection of Bile Acid 24-Glucuronides in Human Urine by Liquid Chromatography Combined With Electrospray Ionization Mass Spectrometry." Analytical Sciences, 15: 625-631 (1999)	
, /KM/	A6	JAKOBS and de GRAUW, "A Fatal Case of 2-Keto-, 2-Hydroxy- and 2-Aminoadipic Aciduria: Relation of Organic Aciduria to Phenotype?" <i>Inher. Metab. Dis.</i> 15: 279-280 (1992)	

I o I /KP/LMOSS/	Date Considered 6/33/00	7
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/KM/	A7	JORG LEIS et al., "Synthesis of [180 ₂] Valproic Acid and Its Use as an Internal Standard For the Quantitative Measurement by Gas Chromatography-Electron Ionization Mass Spectrometry," Journal of Chromatography B, 784: 69-75 (2003)	
/KM/	A8	KUSHNIR et al., "Analysis of Dicarboxylic Acids by Tandem Mass Spectrometry. High-Throughout Quantitative Measurement of Methylmalonic Acid in Serum, Plasma and Urine." Clin Chem 47(11): 1993-2002 (2001)	
/KM/	A9	LIEBICH and FÖRST, "Hydroxycarboxylic and Oxocarboxylic Acids in Urine: Products From Branched-Chain Amino Acid Degradation and From Ketogenesis," <i>Journal of Chromatography</i> , 309: 225-242 (1984)	
/KM/	A10	MAGERA et al., "Determination of Homovanillic Acid in Urine by Stable Isotope Dilution and Electrospray Tandem Mass Spectrometry," Clinica Chimica Acta, 306: 35-41 (2001)	
/KM/	A11	MIRGORODSKAYA et al., "Quantitation of Peptides and Proteins by Matrix-Assisted Laser Desorption/lonization Mass Spectrometry Using ¹⁸ O-Labeled Internal Standards," Rapid Commun. Mass. Spectrom., 14: 1226-1232 (2000)	
/KM/	A12	MURPHY and CLAY, "Synthesis and Back Exchange of ¹⁸ O Labeled Amino Acids For Use as Internal Standards With Mass Spectrometry." <i>Biomedical Mass Spectrometry</i> , Vol. 6, No. 7: 309-314 (1979)	
/KM/	A13	PITT et al., "Comprehensive Screening of Urine Samples For Inborn Errors of Metabolism by Electospray Tandem Mass Spectrometry," Clin Chem 48(11): 1970-1980 (2002)	
/KM/	A14	SHIGEMATSU et al., "A Simple Method of Determining 4-Hydroxyisovaleric Acid and Its Level in a Patient with Isovaleric Acidemia," Clinica Chimica Acta, 138: 333-336 (1984)	
/KM/	A15	SWEETMAN, "Organic Acid Analysis," In (Hommes, Ed.) Techniques in diagnostic human biochemical genetics Wiley-Liss: New York, 143-176 (1991)	
/KM/	A16	TRUSCOTT et al., "The Identification of 3-Keto-2-Methylvaleric Acid and 3-Hydroxy-2-Methylvaleric Acid in a Patient With Propionic Acidemia," Biomedical Mass Spectrometry, 6: 294-300 (1979)	
/KM/	A17	TSERNG et al., "Urinary 3-Hydroxyadipic Acid 3,6-Lactone: Structural Identification and Effect of Fasting in Adults and Children," Metabolism, 38: 655-661 (1989)	
/KM/	A18	VAN ROOYEN et al., "Identification of the Steroisomeric Configurations of Methylcitric Acid Produced by si-Citrate Synthase and Methylcitrate Synthase Using Capillary Gas Chromatograpy-Mass Spectrometry," J. Inher. Metab. Dis., 17: 738-747 (1994)	
/KM/	A19		

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/KM/	A20	YOUHNOVSKI, et al., "Determination of Hydroxyoctadecadienoic Acids," Z. Naturforsch, 58c: 268-279 (2003)					
/KM/	A21	ZYTKOVICZ et al., "Tandem Mass Spectrometric Analysis for Amino, Organic, and Fatty Acid Disorders in Newborn Dried Blood Spots: A Two-Year Summary From the New England Newborn Screening Program." Clin Chem 47(11): 1945-1955 (2001)					

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